MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

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		IV (New)	Term	: Second	Academic Year : 2023-24	
Cred		AHDS 242	Title	: Livestock	Breeding and Nutrition	
		2 (1+1) Tuesdny, 23.04.2024	Time			
Note: 1. Solve ANY EIGHT questions from SECTION 'A'.						
	2.	All questions from SEC	TION 'B' at			
	3. 4.	All questions carry equa Draw neat diagram when				
		Diaw heat diagram when	SECTION			
Q.1	What is meant by Chromosomal Aberration? Give the classification of chromosomal aberrations and describe in short translocation and deletion of chromosome.					
Q.2	Differentiate between Mitosis and Meiosis.					
Q.3	Enlist various systems of breeding and differentiate important points between Close breeding and Line breeding.					
Q.4	What is meant by Selection? Enlist various basis and methods of selection and describe in short Tandem method of selection.					
Q.5	What is Hardy-Weinberg law? Enlist four steps of proof of Hardy-Weinberg law with constancy of gene frequency and give the properties of Hardy-Weinberg law.					
Q.6	Give the classification of feed-stuffs with suitable examples and write down in short about unconventional feed stuffs.					
Q.7	Define Nutrition. Enlist six major feed nutrients and important functions of Protein.					
Q.8		Describe in short functions of various organs of cattle digestive system.				
Q.9	Write about enrichment of low quality roughages. Describe in short about Urea Molasses Mineral Block (UMMB).					
Q.10	Write shor	Write short notes on (Any Two):				
	a) Variance	b) Feeding Star	ıdards	c) Silage	d) Spermatogenesis	
			SECTION	B'		
Q.11	Define the	following terms:				
	1) Half sib	2) Balance Rati	on :	3) Repeatabilit	y 4) Digestible energy	
Q.12	.12 Choose the correct answer-option:					
	1) Sudden change in the structure of gene is known as					
	a) Migra		lutation		c) Selection	
	2) is the byproduct obtained from sugar industry.					
	a) Silage		folasses	6	c) Brains	
	3) is known as the 'Father of Genetics'.					
	a) Mende		Iuller		c) Khurana	
	•) Milk fever is caused due to the deficiency of				
	a) Calciu		opper	-	c) Cobalt	
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